

Recent Results of Medical Therapy of Arterial  
Hypertension, by K. D. Bock, O. H. Arnold,  
18 pp.

GERMAN, per, Dtsch Med Wschr, Vol LXXVIII, 1953,  
pp 879-883.

S.L.A. No 14

Scientific - Medicine  
Jan 56 CTS/dex

30,406

<sup>S</sup>  
<sup>h</sup>  
Psychopathology of Dimethyl-Tryptamine. Another  
Psychopharmacologic Contribution. Preliminary  
Report, by O. G. Arnold, G. Hofmann, 7 pp.

GERMAN, Manuscript.  
A

SLA 58-260

Sci

Aug 59

93,655

Current Status of Medicamentous  
Hypertension Therapy, by O. H. Arnold, 41  
Circulation, per, Lancet Med Wocher,  
Vol 106, No 10, 1964, pp 1169-1175.  
MED 5-51-65

*O. H. Arnold*

HA-Cer  
Sci/BGM  
Jul 65

283,682

Scientific on the Determination of the Gravity Field  
From Satellite Observations, by K. Arnold.  
GERMAN, per, Vermessungstechnik, Vol 13, No 8,  
pp 288-290.  
\*ACIC TC-1166

*K. ARNOLD*

Sci/Space Technology  
Feb 67

74  
The Determination of Geoid Undulations From  
Free-Air Anomalies, by K. Arnold.  
GERMANY, per, Veröffentlichungen des Geodätischen  
Instituts in Potsdam, No 12, 1959, pp 5-50.  
ADIC 44-1300

ARNOLD  
K. Arnold

Sci/Bar Sci  
Sep 68

363,292

Recent Results in Medicamentous Therapy of Arterial  
Hypertension, by O. H. Arnold, K. D. Bock, 7 pp.

GERMAN, per, Dtsch. med. Wschr., Vol LXXVIII,  
1953, pp 565-568.

B. L. A.

20,405

Scientific - Medicine

Dec 54 CTS/DEX

Arnold, O. H.

COMBINED ELECTROSHOCK AND TOFRANIL  
TREATMENT OF MELANCHOLICS. Lecture given at  
Graz Symposium on Psychopharmaka, 16-17 Oct 59.  
[1960] 16p.

Order from RIS \$25.00

RIS G-234

Trans. of Wien[er] Med[izinische] W[ochen]schr[it]  
(Austria) 1960 [v. 110] no. 11, p. 250-255.

61-12054

1. Electroshock--Thera-  
peutic effects
2. Psychoneuroses--  
Therapy
- I. Arnold, O. H.
- II. Title: Graz...
- III. RI: G-234
- IV. Research Information  
Service, New York

Office of Technical Services

(Biological Sciences--Pathology, TT, v. 5, no. 1)

Therapy of Arterial Hypertension, by O. J. Arnold,  
17 pp.

GERMAN, per, Deutsch Med Wochschr, Vol LXXI, 1955,  
pp 1489-1494.

SLA 57-1959

Sci

Man 58

66,053



Elastic Properties of Artificial Graphite,  
by R. Arnold.

GERMAN, per, Z Angewandte Physik, Vol XI,  
No 5, 1959, pp 179-183.

RAE 880

Sci - Chem

Jul 60

120,024

Report on Record Investigations on Graphite,  
by R. Arnold.

GERMAN, no per, Z fuer Angew Phys, Vol VII,  
No 9, 1955, pp 453-460.

AERE Harwell Tr 689  
DSI4 Tr 1524

Sci - Min/met  
Sep 57

53,141

Systems With Concentrated Hydrogen Peroxide.  
Communication 22. Thermal Analysis of Copper  
Peroxides, by S. Z. Makarov, T. I. Arnold, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 12, 1960, pp 2090-2095.

CB

Sci

May 62

194,489

Systems Containing Hydrogen Peroxide at High  
Concentration. Communication 18. Physicochemical  
Characterization of the Solid Phases in the System  
 $\text{Sr}(\text{OH})_2\text{-H}_2\text{O}_2\text{-H}_2\text{O}$ , by S. Z. Makarov, T. I. Arnol'd, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 5,  
1959, pp 774-780.

CB

Ecl -  
May 61

153,242

An Investigation of Systems Containing Concentrated  
Hydrogen Peroxide. Communication 21: The Ternary  
System  $\text{Cu}(\text{OH})_2 - \text{H}_2\text{O}_2 - \text{H}_2\text{O}$ , by S. Z. Makarov,  
N. I. Arnol'd, et al, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 11, 1960, pp 1913-1920.

CB

Sci  
May 62

192,870

Systems Containing Hydrogen Peroxide at High  
Concentration. Communication 16. Solubility  
Isotherms of the Ternary System  $\text{Sr}(\text{OH})_2\text{-H}_2\text{O}_2\text{-H}_2\text{O}$ ,  
by S. Z. Makarov, T. I. Arnol'd, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 12, 1958, pp 1407-1412.

Consultants Bureau

Sci

Apr 60

112,199

On the After-Development of Multilayer Color Negative  
Film, by Ts. S. Arnol'd. 10 pp.

RUSSIAN, per, Uspekhi Nauch Fotograf, Vol VII, 1960,  
pp 246-252.

CIA/FDD XX-1176

NOT RELEASABLE TO FOREIGN NATIONALS

Sci

198,437

May 62

USIB INTERNAL USE ONLY

Investigation of the Processing of Negative-Type Color  
Film, by Ts. S. Arnol'd, 14 pp.

RUSSIAN, per, Trudy Vsesoyuz Nauch Issledovatel  
Kinofotoinst, No 29, 1959, pp 43-58.

CIA/FDD XX-1094

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys

Jan 62

USIB INTERNAL USE ONLY

ATC-AT-3142

179,042



An Efficient Method For Processing Multi-Layer Color  
Negatives, by Ts. S. Arnol'd, 14 pp.

RUSSIAN, Per, Zhurnal Nauchnoy i Prikladnoy  
Fotografii i Kinematografii, 1958, Vol. III, No 3,  
pp 182-190.

LC or SLA 59-15704

Sci  
Nov 59  
Vol 2, No 3

XX - 738  
101, 343

Relation Between Separate Stages of the Photographic  
Process, by Ts. S. Arnol'd, 5 pp. UNCLASSIFIED.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXVIII,  
No 2, 1953, pp 289-291.

*Scientific Topics*

17744  
CIA/FDD/X-1415

Small Denominators I. Mappings of the Circumference onto Itself, by V. I. Arnol'd, 71 p.  
RUSSIAN, per, Izvestiya Akademii Nauk SSSR,  
Seriya Matemat. Vol XXV, 1961, pp 21-96.

SovMath Soc  
Vol XLVI, Ser 2

V. I. ARNOL'D

Sci-Math  
Jun 66

302,616

Small Denominators and Problems of Stability of  
Motion in Classical and Celestial Mechanics, by  
V. I. Arnol'd, 137 pp. POST EDITED

RUSSIAN, ~~Major~~, Uspekhi Mate Nauk, Vol XVIII, No 6  
(114), 1963, pp 91-192. 9693082

FTD-MT-64-175  
GOV'T USE ONLY

Sci - Math & Data Proc  
Jul 64

262,406

Some Questions of Approximation and Representation  
of Functions, by V. I. Arnol'd, 20 p.  
RUSSIAN, rpt, Proc International Congress Math,  
1958, pp 339-348.

Am Math Soc  
Vol LIII, ~~XX~~ Ser 2

*V. I. Arnol'd*

Sci-Math  
Jun 66

303,738

On the Behavior of an Adiabatic Invariant Under  
Slow Periodic Variation of the ~~ANNA~~ Hamiltonian,  
by V. I. Arnol'd, 4 pp.

~~XXXX~~

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLII, No 4,  
1962, pp 758-761.

Amer Maths Soc  
Vol 3, No 1

211,561

Sci - Math  
Aug 62

On Functions of Three Variables, by V. I. Arnol'd.

RUSSIAN, per, Dokl Akad Nauk SSSR, Vol CXIV,  
1957, pp 679-681.

Amer Math Soc

Sci - Math & Data Proc  
Oct 63

241,495

The Stability of the Equilibrium Position of a  
Hamiltonian System of Ordinary Differential  
Equations in the General Elliptic Case, by  
V. I. Arnol'd, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,  
Nos 1-6, 1961, pp 255-257.

Amer Math Soc  
Sov Math  
Vol II, No 2

Sci Oct 61

172,581



On a Theorem of Liouville Concerning Integrable  
Problems of Dynamics, by V. I. Arnol'd, 5 pp  
RUSSIAN, per, Sibirsk. Mat. Z. Vol 4, 1963,  
pp 471-474  
Amer Math Soc Tr. *V.I. Arnol'd*  
Vol 61, Series 2

337,027

Sci - Math  
Sep 67

Satee

(NY-2481)

Brown Coal Mines in East Germany, by W. Arnold.  
16 pp.

GERMAN, per, Bergbautechnik, Vol VIII, No 12,  
1958, Berlin, pp 611-621.

JPRS 1622-N

EEur - East Germany  
Econ - Fuels and Power; Coal  
Jun 59

88,370

Synthetic Reactions of Dimethylformamide 71

No 6 Formylation Cyclopentadiene, by

Z. Arnold, 9 pp.

GERMAN, per, Czechoslov Chem Commun,

Vol XXV, 1960, pp 1313-1317.

Dept of Comm/Patent Office

Sci - Chem

Mar 67

Z. Arnold

320,526

A Method of Preparing Polymethylenetstrazoles,  
by Z. Arnold,.

Czech. Patent 83,795, 1955. Prepn. from cyclic  
lactams in one phase is presented, ~~etc.~~.

ATS <sup>RES</sup> CJ-1519

Sci  
May 59

87,270

Thickness of Kara Sea Ice, Its Structure and Porosity According to Data Collected by the Expedition of the Ice-going Steamer Malygin in 1934, by V. I. Arnol'd-Alyab'yev.

RUSSIAN, USSR Council of Peoples' Commissars. Chief Admin of Northern Sea Route. Transactions of the Arctic Research Inst, Vol CX, Studies on the Properties of Ice, Part 1, Art 6, 39 pp.

*Sci TR Center RT1132*  
A-2, HQ Air Weather  
Service, Tech Research  
Files, Acc. 47.1014

Sci Geophysics

14,019

Thickness of Kara Sea Ice, its Structure and Porosity  
According to Data Collected by the Expedition of the  
Ice-Going Steamer "Malygin" in 1934., by V. I.  
Arnol'd-Alyab'ev, 62 pp UNCLASSIFIED

RUSSIAN, per, Trudy Ark Instit, Vol CX, 1938,  
pp 57-81.

Sci Tr Center  
RT-1132

Scientific - Geophysics

15,344

(NY-6353)

Conference on the Problem of Acclimatization  
and Nutrition of the Population in the Far North,  
by I. A. Arnol'di, 9 pp.

RUSSIAN, per, Byulleten' Uchenogo Med Soveta  
Min Zdrav RSFSR, No 1, 1961, pp 33-37.

JPRS 9858

165,003

USSR  
Soc  
Sci & Med  
Aug 61

ACCLIMATIZATION OF MAN TO THE NORTH AND SOUTH, BY  
I. A. ARNOL'DI, 59 PP.

RUSSIAN, EN, AKKLIMATIZATSIYA CHLOVEKA NA SEVERE I  
JUGO, MOSCOW, 1962, PP 1-71.

SPR 21481

SCIENCE & MED  
ACT 63

315,126



(NY-7070)

HYGIENIC PROBLEMS OF ACCLIMATIZATION OF THE  
POPULATION IN THE FAR NORTH, BY I. A.  
ARNOL'DI, A. Z. BELOUSOVA, 94 PP.

RUSSIAN, BK, GIGIYENICHESKIYE VOPROSY AKKLIMATIZATSII  
NASELENIYA NA KRAYNEM SEVERE, 1961, PP 7-22,  
50-61, 91-100, 112-122, 123-130, 134-141, 232-244.

On the Theory of the Areal in Connection With  
the Ecology and Origin of the Species Population,  
by K. V. Arnoldi. UNCL

RUSSIAN, per, Zool Zhur, Vol XXXVI, No 11,  
1957, pp 1609-1628.

DSIR 33874/CT

Sci - Biol, zoology  
Mar 59

83,197

BIOGENESIS -- A BASIC CONCEPT OF ECOLOGY, BY  
K. V. ARNOLDI, L. V. ARNOLDI, 63 PP.

RUSSIAN, PER, ZOOL ZHURN, VOL XLII, NO 2, 1963,  
PP 161-183.

JPRS 18778

SCI - BIOL-MED SCI

APR 63

128,728

BIOGENESIS — A BASIC CONCEPT OF ECOLOGY, BY  
N. V. ARNOLO'DI, L. V. ARNOLO'DI, 63 PP.

RUSSIAN, PER, ZOOL. JOUR., VOL. XLII, NO. 2, 1963,  
PP 161-163.

JPD 1878

SCI - BIOLOGICAL SCI

JPR 63

000,728

14  
The Academic and National Institute for Agriculture,  
by Y. Aron. 5 pp.  
HEBREW, np, Haaretz, 10 Sep 1964, p 2.  
JPAS 27008

Sci - Algeri  
Nov 64

263,615

Operating Experiences With [Natural] Gas-Fired  
Cupolas, by P. L. Shkurupiy, A. G. Arnopolia.

RUSSIAN, par, Lit Proiz, No 9, 1960, pp 12, 13.

HB 5098

Sci - Engr

Apr 61

147,468

Recent Progress in Hydraulic Refractory Cements  
and Concretes, by J. Arnould.

FRENCH, per, Chimie et Industrie, Vol LXX,  
1953, Ref T 1400. pp 1081-1085.

INSDOC

Sci

Aug 58

69, 778

Respiratory and Circulatory Effects of Electric  
Stimulation of the Phrenic Nerve in the  
Chloralosed Dog, by C. Franck, R. Grandpierre,  
P. Arnould, F. Violette, 9 pp.

FRENCH, per, J Physiol, Vol XLIII, 1951,  
pp 726-728.

SIA 3170

Jul 58

69, 89.2



Increase in Resistance to Anoxia of Chloralose-  
Anesthetized Dogs After Administration of Procaine,  
by R. Grandpierre, C. Franck, P. Arnould, 8 pp.

FRENCH, qu par, La Medecine Aeronautique, Vol VII,  
No 4, 1952, pp 501-506. CIA D 538509

ATIC F-TB-8786/V

Sci - Medicine

Aug 1956

37,704

Investigations of Substituted Dithiophosphates,  
Report I. Diethyldithiophosphoric Acid  
and Its Sodium Salt, by Helmut Bode, Wolfgang  
Arnsvald, 28 pp.

GERMAN, per, Z. Anal Chemie, Vol CLXXV,  
1962, pp 99-110.

AEC-Tr-5201

Sci - Chem  
Sep 62

210,920

Investigations of Substituted Dithiophosphates,  
Report II, Formation of Metal Diethyldithio-  
phosphates and Their Extractability from Mineral-  
Acid Solutions, by Helmut Bode, Wolfgang  
Arnsward, 57 pp.

GERMAN, per, Z. Anal Chemie, Vol CLXXV,  
1962, pp ~~179~~ 179-201.

AEC-Tr-5202

Sci - Chem  
Sep 62

210, 921

(NY-7166)

Effect of Wave Phenomena in a Pressure Pipeline on Optimal Control, by G. V. Aronovich, 17 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved MViSSO, SSR, Radiofiz, Vol V, No 2, 1962, pp 362-369.

JPRS ~~XXXXXX~~ 15517

Sci - Electronics

Oct 62

213 755

Chemical-Mechanical Process for the Manu-  
facture of Paper Pulp, Brussels, by S. I.  
Arnowsky and E. C. Lathrop.

FRENCH, Patent No 504,001, 15 Jun 1951.

Assoc Tech Serv

Sci

Aug 58

71,614

J-1410/64

The Russians and Their Troubles, by  
Klaus Arnsperger, 5pp.  
GERMAN, np, Sueddeutsche Zeitung, 31 Aug 1964.  
JPRS/DC-10894/SPECIAL

USSR  
Soc, Econ  
Oct 64

J-131/64

The Kazakhstan ~~Afa~~ Affair, by Klaus Arnsperger,  
3 pp.

GERMAN, np, Rheinische Post, Duesseldorf,  
11 Jan 1964.

FDD/DC-10255

USSR  
Econ  
Feb 64

Investigations of Substituted Dithiophosphates, Report ~~III~~ II, Formation of Metal-Diethyldithiophosphates and Their Extractability From Mineral-Acid Solutions, by Helmut Bode, Wolfgang Arnsfeldt, 57 pp.

GERMAN, per, Z. Analytische Chemie, Vol CLXXXV, 1962, pp 179-201. 90669990

AEC Tr-5202

Sci - Chem  
Oct 62

~~251,540~~  
251,540



The Fusion of Coal, by M. C. Azou.

THURCH, per, Revue de l'Industrie Minérale,  
No 296, 15 Apr 1933, pp 155-173.

Dept of Interior  
US Bur of Mines  
Chemistry Section  
Br of Bituminous Coal  
Pittsburgh, Pa.

Sci - Engr, Fuels

May 59

87,637

Variation of the Resolution Limit as a Function of the Coherence, by Arnulf.

FRENCH, per, Rev Opt, Vol XXXII, No 10, 1953, pp 530, 531.

ASLIB-3343

Sd

Aug 58

71,054

Transmission of Infrared Radiation in the  
Atmosphere, by A. Arnulf, J. Bricard. *no official*  
*use only USIB use only*

FRENCH, per, Acta Electronica, Vol V,  
No 4, 1961, pp 409-425.

JIB T 3187

Sci  
Jun 64

Experimental Study of the Resolution Limit of  
Two Points of Light as a Function of Their  
Coherence, by A. Arnulf, O. Dupuy, 5 pp.

ITALIAN, per, del Nuovo Cimento, Vol IX, No 3,  
Series IV, 1952, pp 225-230.

ACSI I-3119-C  
ID 2240843

244,060

Sci - Phys  
Dec 63

An Optical Method for Localizing Polished  
Surfaces and Its Application to the Measurement  
of Radii of Curvature, by A. Arnulf, 4 pp.

FRENCH, per, Comptes Rendus, Vol CLXXXVII,  
3 Dec 1928, pp 1044-1046.

SIA 57-2071

May 58

64,568

Microfluctuations of the Eye and Their Influence on  
the Retinal Image, by Albert Arnulf, Odette Dupuy,  
Francoise Flament, 5 pp.

Full translation.

FRENCH, per, Comptes Rendus ~~Academie~~ des Sciences de  
l'Academie des Sciences, Vol CCXXII, No 5, 29 Jan 1951,  
pp 438-440.

CIA/FDD/X-812

Scientific - medicine

May 53 CTS

1896

Spectrophotometric Determination of Aluminium  
in Steel, by E. Arnevelt, et al. URCL

SWEDISH, per, Jernkontorets Annaler, Vol CXCXVII,  
1953, pp 819-826.

British Iron and Steel Ind  
(no number given)

Sci - Phys  
Sep 59

98,175

NY-60950

The Chemical Industry of the Ukraine, by E. M.  
Annol'kov, T. T. Gonta, V. V. Kalechits'. 108 pp.

UKRAINEAN, bk, Khymychna Promyslovist' Ukrainy,  
1960, pp 1-129.

JPRS 10855

175, 455

USSR

Econ

Sci - Chem

Dec 61



THE IDEOLOGICAL CONFLICT INSIDE THE USSR, BY  
KLAUS ARNSPERGER, 9 PP.

GERMAN, MP, SÜDDEUTSCHE ZEITUNG, 23-24 MAR 1963,  
P 4.

JPRS 18768

USSR-POL  
MAY 63

219,615

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p> <b>Arp, Pasvo, Korpela, Tapio, and Nisula, Pentti.</b><br/> <b>INVESTIGATION ON BARKING LOSSES OF THIN</b><br/> <b>SPRUGE AND BIRCH PULP WOOD. Mar 63, 23p.</b><br/> <b>14 refs. (figs. omitted) FPRB Trans. no. 157.</b><br/> <b>Order from NRCC NRCC C-4411</b><br/> <br/> <b>Trans. of Metsähuutkimuslaitos. Julkaisuja (Finland)</b><br/> <b>1958, v. 50, p. 1-29.</b><br/> <br/> <b>DESCRIPTORS: *Wood pulp, Trees, *Wood, Machines,</b><br/> <b>*Material removal, Measurement.</b> </p> <p>(Materials--Wood, TT, v. 10, no. 4)</p> | <p>63-17695</p> <p> <b>I. Title: Barking machine</b><br/> <b>I. Aro, P.</b><br/> <b>II. Korpela, T.</b><br/> <b>III. Nisula, P.</b><br/> <b>IV. FPRB Trans-157</b><br/> <b>V. NRCC C-4411</b><br/> <b>VI. Forest Products Research</b><br/> <b>Branch (Canada)</b><br/> <b>VII. Bureau of Translations</b><br/> <b>(Canada)</b> </p> <p>Office of Technical Services</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Production of Precast Concrete and Reinforced Concrete Structural Elements on Casting Yards, by A. P. Vasil'ev, V. N. Sizov, G. A. Arobelidze, UNCL.

RUSSIAN, ger, Trudy Tsentral'nyi Nauchno-Issledovatel'skii Institut Promyshlennykh Sooryzhenii, TsNIPS, No 17, Moscow, 1955.

DSIR-32566/CT

Sci - Engr  
Feb 59

81,431

Production of Precast Concrete and Reinforced  
Concrete Structural Elements on Casting Yards,  
by A. P. Vasilyov, V. E. Sizov, Ch. A. Arbolidsa,  
53 pp.

RUSSIAN, per, Nauchnoye Soobshchenie, 'Tsentral'nyi  
Nauchno-Issledovatel'skiy Institut Promishlennost  
Sovetskoi, No 17, 1955, pp 1-30.

Sci Mus Lib 58/1107

USSR  
Room  
Sci - Engr  
Mar 59

82,309

Unit for the Electrical Preheating of Engines, by  
A. Arodzaro

RUSSINA, per, Avto Transport, Dec 1954, p 19.

CIA/FDD/Sum 522

USSR

Economic

May 55 CTS

23,541

Aron C[laude] Asch, L., and Gandar, R.  
NEW DATA ON THE DETERMINATION OF THE  
NUMBER OF CORPORA LUTEA. III. INTERPRETA-  
TION OF THE SUPEROVULATION PHENOMENA ON  
THE BASIS OF EXPERIMENTAL WORK. [1960] [6]p.  
5 refs.

Order from SLA mi\$1.80, ph\$1.80 60-18016

Trans. of Soc[iete] de Biologie [et de ses Filiales].  
Comptes Rendus des Seances (France) 1957, v. 151,  
no. 1, p. 166-[169].

(Biological Sciences--Physiology, TT, v. 5, no. 4)

60-18016

1. Ovaries--Physiology
2. Title: Corpus luteum
3. Title: Superovulation
- I. Aron, C.
- II. Asch, L.
- III. Gandar, R.
- IV. Title: Interpretation...

Office of Technical Services

"Cancer Reaction" in the Guinea Pig, by Max Aron.

FRENCH

USDA per  
NC State College

Jun 59

Disagreement, Not Break Between Moscow and  
Peking -- A French Conservative Estimate, by  
Raymond Aron, 5 pp.

FRENCH, np, Le Figaro, Vol CXXXVI, No 5473,  
7-8 Apr 1962, pp 1, 24.

JPRS 13545

MEur - France  
Pol  
May 62

193, 661



The Stability of Polymolecular Films. I. The  
Surface Pressure of Oil Polyayers, by Ya. B.  
Aron, Ya. I. Frenkel', 10 pp.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXII, No 10, 1948  
1246-1250,

Sci Tr Center RT-362

Scientific - Chemistry

10,139

I-14

The General's Secret, by Raymond Aron, 6 pp.

FRENCH, np, Le Figaro, 25 Jan 63, 5 pp.

CIA/FDD/X-5087

WENT  
France  
Pol  
Feb 63

221.060

Aron, Ya. B. and Pavlova, M. V.  
CAPILLARY PHENOMENA IN DROPS (Kapillyarnyye  
Yavleniya v Kaplyakh). Feb 61 [11]p. 7 refs. RTS 1776.  
Order from LC or SLA mi\$2.40, ph\$3.30 61-19104

Trans. of Zhurnal Fizicheskoy Khimii (USSR) 1948,  
v. 22, no. 10, p. 1251-1255.

A study was made of the variation of the wetting angle of water on paraffin wax with drop size, inclination of the wax surface, and deformation of the drop. The results are considered in the light of the physical mechanism of adhesion of drops to a solid surface. The rolling of drops down an inclined surface is also discussed. The influence of electrical potential differences on the contact angle was demonstrated for the case of mercury, but not for solid metallic surfaces. The observed changes in contact angle and the qualitative picture of the deformation of drops on compression, evaporation, and inclination of the surface, indicate the existence of a definite equilibrium value of the contact angle and of its indubitable reversibility. (Author)

61-19104

- I. Drops--Surface properties
- I. Aron, Ya. B.
- II. Pavlova, M. V.
- III. RTS-1776
- IV. Department of Scientific and Industrial Research (Gt. Brit.)

Office of Technical Services  
(Chemistry--Physical, TT, v. 5,  
no. 12)

Longe-Range Radio Communication on Ultrashort  
Waves Utilizing the Meteoric Ionization of the  
Atmosphere, by M. H. Arons.

RUSSIAN, par, Elektrosvyaz, No 6, 1958, pp 40-48.

Pergamon Press

Sci

Mar 60

111, 411

The Nature of the Interaction of Active Eyes <sup>125</sup>  
with Hair Keratin, by P. O. Sanykina,  
Yu. N. Aronina, et al.  
RUSSIAN, per, Tr Mosck Tekhnol Inst Leningol.  
no 30, 1964, pp 83-90.  
NII RTS 3803  
On Lens Only

*Yu. N. Aronina*

Sci-Mech  
Jul 67

330,228

Aronov, A. G. and Svetlorusova, L. P.  
INFLUENCE OF THE DEGREE OF CRUSHING OF  
COAL ON THE COKING PROCESS, tr. by S. Dobri-  
anaky. [1961] [15]p. 9 refs. Trans. no. CRL/T. 480;  
[DSIR LLU] M. 2837.

Order from OTS or SLA \$1.60

61-23256

Trans. of Koks i Khimiya (USSR) 1959, no. 1, p. 5-11.

DESCRIPTORS: \*Coal, Processing, \*Coke, Production.

Interaction between grains of different coals in a blend during the coking process should be regarded as a topo-chemical process and therefore the presence of chemical combinations can be assumed between the products of coal decomposition, even in the case when the grains of coal preserved their form. The depth of penetration of the plastic mass of coals into a medium consisting of grains or products resulting from the decomposition (Engineering--Chemical, TT, v. 6, no. 9) (over)

61-23256

- I. Aronov, A. G.
- II. Svetlorusova, L. P.
- III. CRL/T-480
- IV. DSIR LLU M. 2837
- V. Central Research Labs.,  
Broken Hill Proprietary  
Co., Ltd. (Australia)

Office of Technical Services

Copolymerization of Vinyl Butyl Ether With Vinyl  
Chloride, by M. F. Shostakovsky, V. V. Zhebrovsky,  
B. A. Aronov, 4 pp.

Full tr

RUSSIAN, no per, Zhur Prik Khim, Vol XXVIII, No 10,  
1955, pp 1123-1126. CIA C 42515

35,800

Consultants Bureau

Scientific - Chemistry  
Jen 56/dex

On the Problem of the Reverse Current-Voltage  
Characteristic of Semiconductor Diodes, by  
G. M. Avak'yants, D. A. Aronov, P. M. Karagenorgiy-  
Alkalay, 7 pp.

RUSSIAN, per, Fiz Tverdogo Tela, Vol. III, No 5,  
1961, pp. 1400-1410.

AIP  
Sov Phys - Solid State  
Vol. III, No 5

Sci

189,102

Mar 62



61-12268

Aronov, D. A. and Avak'yants, G. M.  
EFFECT OF A BARRIER (OR ANTI-DEPLETION)  
LAYER AT A METAL-SEMICONDUCTOR CONTACT  
ON THE VOLT-AMPERE CHARACTERISTIC OF THE  
p-n JUNCTION. [1960] 17p. 9 refs.  
Order from MDF \$9.00

MDF A-156

Trans. of A[kademiya] N[auk] Uzb[ekskoy] SSR  
[Tashkent]. Izv[estiya. Seriya] Fiz[iko]-Mate[mati-  
cheskikh] Nauk, 1959, no. 6, p. 27-40.

- I. Semiconductors--Electron transitions
- I. Aronov, D. A.
- II. Avak'yants, G. M.
- III. MDF A-156
- IV. Friedman, Morris D., Inc., West Newton, Mass.

9092564

Office of Technical Services

(Physics--Solid State, TT, v. 5, no. 4)

Aronov, D. M.  
FIRST EXPERIENCE OF THE USE OF TRILON B  
(EDTA DISODIUM SALT) IN THE TREATMENT OF  
ATHEROSCLEROSIS PATIENTS WITH ARTERIAL  
CALCINOSIS. [1968] [15p] 15 refs FASEB Me no.:  
S563-S.  
Order from OTS, SLA, or ETC \$1.60 TT-64-13848

Trans. of Klinicheskiye Meditsina (USSR) 1968, v. 41,  
no. 3, p. 19-23.

DESCRIPTORS: \*Atherosclerosis, \*Calculi, Therapy,  
\*Sequestering agents, \*Ethylenedinitrilo tetracetates

(Biological Sciences--Pathology, TT, v. 11, no. 8)

TT-64-13848

1. Title: Trilon B
1. Aronov, D. M.
- II. FASEB-S-563-3
- III. Federation of American  
Societies for Experimental Biology,  
Washington, D. C.
- IV. Scripta Technica, Inc.,  
Washington, D. C.

1578647

Office of Technical Services

|                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Arutov, D. M.<br/>BLOOD CALCIUM IN ATHEROSCLEROSIS (O<br/>Kalkiya v Krovi pri Ateroskleroze).<br/>[1963] [12] Grade FASED Ms no. 8423-2.<br/>Order from OTS, SLA, or ETC \$1.60    TT-64-13344</p> <p>Trans. of Kardiologiye (USSR) 1962, v. 2, no. 4,<br/>p. 43-44.</p> <p>DESCRIPTORS: *Atherosclerosis, *Calcium, *Blood<br/>chemistry, *Calcification</p> <p>(Biological Sciences--Pathology, TT, v. 11, no. 8)</p> | <p>TT-64-13344</p> <p>I. Arutov, D. M.<br/>II. FASED-S-423-3<br/>III. Federation of American<br/>Societies for Experi-<br/>mental Biology,<br/>Washington, D. C.<br/>IV. Scripta Technica, Inc.,<br/>Washington, D. C.</p> <p>1273670</p> <p>Office of Technical Services</p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Economic Effectiveness of an Improvement of  
the Octane Characteristic of Motor Gasolines,  
by A. N. Ensov, D. M. Aronov, L. M. Noreyko,  
6 p.

RUSSIAN, per, Khim Tekhnol Toplivo i Masel, 1959,  
Vol IV, No 3, pp 60-64.

ATS-87L35R

Sci  
Apr 60  
Vol III, No 2

113,567

Electronic Phasemeter With a Range -  $180^{\circ}$  to  
/  $180^{\circ}$ , by I. A. Afonov, G. Kh. Movik. UNCL

RUSSIAN, per, Priborostroyeniye, No 1, 1959,  
pp 18, 19.

Taylor & Francis, Ltd.

Sci - Electron  
Sep 59

95, 445

An Increase of the Critical Reynolds Number  
During Motion of a Fluid in Bent Tubes, by  
I. Z. Aronov, 8 pp.

RUSSIAN, per, Energetika, No 4, 1960, pp 127-132.  
9664206

FTD-TT-61-278

Sci - Phys

5 Feb 62

186,640

Heat Transfer During Motion of Liquid in Coil  
Shaped Pipes, by I. Z. Aronov. 7 pp.  
RUSSIAN, per, Teploenergetika, Vol IX, No 1,  
1962, pp 75-77.  
SLA TT-64-18790

Sept 66

309,782

Experimental Research into the natural electromagnetic field of the earth in the frequency spectrum of 2-300 c/s, by B. S. ~~RE~~ ~~Enonhtala~~, and L. E. ~~RE~~ ~~Aronov~~, 11 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 1, 1957, pp 62-70

Pergamon Institute

Bel - Geophys

Jul 58

66, 401



Equipment and Method for Studying the  
Stabilization of an Electric Field in the  
Earth, by B. S. Ennshteyn, L. E. Aronov.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Ser Geog  
i Geofiz, Vol XIII, No 4, 1949, pp 348-358.  
CIA 563465

ATIC F-TS-8949/III

Sci - Geophysics

Jun 1956

40,807

37  
Role of Sense Organs in the Feeding of Silurid  
(Sargus Annularis L.) and Some Characteristics  
of its Schooling Behavior, by M. P. Aronov, 3 pp.  
RUSSIAN, per, Trudy Sovetskoi Akad. Nauk  
Sovetskii Akad. Nauk SSSR, Vol XIII, 1963, pp 219-274.  
922973  
OTS 63-11109  
PL-480

Sci - Biol & Mar Sci  
May 64

257,684

UNDERWATER RESEARCH AT THE SEVASTOPOL BIOLOGICAL STA-  
TION, UKRAINIAN ACADEMY OF SCIENCES, BY H. P. ARGONOV,  
9 PP.

RUSSIAN, PER, TRUDY OKEANOGRAFICHESKOY NADCHSSI,  
T. XIV: METODY I REZUL'TATY PODVODNYKH ISSLEDOVANIY,  
VOL. XIV, 5, 6, 76-107, 116-130.

JPR 21431

SCI-EAR SCI & ASTRON  
OCT 63

316,177

STATISTICAL ANALYSIS OF THE DIFFERENTIATING  
ABILITY OF SOME BLACK-SEA FISH, BY N. P. ARONOV,  
8 PP.

RUSSIAN, PER, TRUDY SODASTOPOL'SKOY BIOLOGICHESKOY  
STATISTIK, VOL XIV, 1961, PP 286-291.

JPRS 20794

SCI - BIOL

AUG 63

342,816

Rotational Isomerism of 1, 2 Dichloroethane and  
1, 2 Dibromomethane in Solutions at Different Tempera-  
tures, by O. L. Aronov, V. M. Tatevskiy, A. V. Frost.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LX,  
No 8, 1948, pp 1343-1345.

AEC Tr 370

Scientific - Physics

Mar 51 CTS

14,552

Delayed Rotation in the Series 1,2-dihalogen  
E Ethanes. Spectra of the Combined Diffusion of  
Light of 1,2-dichloethane-dichloromethane in  
solution, by O. L. Aronov, V. M. Tatevskiy,  
A. V. Frost.

RUSSIAN thrice-mo per, Dok Ak Nauk SSSR,  
Vol LX No 7, 1948, pp 1177-1180.

Res Info Sv R.607

Scientific - Chemistry

31, 2/2

Feb 56

Raman Spectra of the Rotational Isomerism of  
1,2 Dihalide Ethanes, by O. L. Aronov, V. M.  
Tatevskiy, A. V. Frost

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LX,  
No 3, 1948, pp 387-90.

AEC Tr 369

Sci Tr Center TT-178

Scientific - Physics  
Mar 51 CTS

*Also PRB-77-178*

*14,017*

"Edge Effect" in Induction Machines With Open  
Magnetic Circuits, by G. I. Shturman, R. L. Aronov,  
12 pp.

RUSSIAN, per, Elektrichestvo, No 2, 1947, pp  
54-59.

AERE Tr 819

Sci - Electron

Aug 59

95, 461



CERTAIN PROBLEMS OF THE PRODUCTION OF MINERAL  
FERTILIZERS, BY S. ARONOV, 5 PP.

RUSSIAN, PER, NARODNOYE KHOZYAYSTVO UZBEKISTANA,  
NO 8, 1962, PP 36-38.

JPRS 16552

USSR  
ECPN  
DEC 62

217,285

The Nature of Coal Carbonization and the Processes of  
Coke Formation, by S. G. Aronov, 8 pp.

RUSSIAN, per. Zhur Prikl Khim, No 9, 1952, pp 927-935.  
Vol XIV.

Consultants Bureau

*Buttch Iron + Steel Prod (no number given)*  
Scientific - Chemistry  
CTB/DEC

15,537

Coke Production. Heating Coals with High  
Frequency Currents, by S. G. Aronov, Yu. B.  
Tyutyunnikov, 26 p;

RUSSIAN, per, Stal, 1955, Vol XV, pp 771-776.

SLA 59-19321

Sci  
Apr 60  
Vol III, No 3

112,008

Influence of the Degree of Crushing of Coals in  
Coking, by S. G. Aronov, L. P. Svetlorusova; 15 pp.

RUSSIAN, per, Koks i Khimiya, 1958; No 1, pp 6-11.

NLL M. 2837

FDD/X-3244

Broken Hill CR47 480

77, 835

Sci - Min/Met  
Dec 58

HRONOV, I. H.

18 Articles on "Agricultural Practices for  
Winter Rye"

See authors cards as follows.

|                  |                       |                |
|------------------|-----------------------|----------------|
| Buiarov, I. A.   | Kuznetsov, V. S.      | Sazanov, V. I. |
| Derzhavin, A. I. | Molokovskiy, G. K. L. | Shirko, V. N.  |
| Duka, S. K.      | Mokrov, S. V.         | Shulin, L. D.  |
| Ewert, A. F.     | Musiiko, A. S.        | Zhabrsk, A. R. |
| Khardeko, N. F.  | Palamarchuk, I. A.    |                |
| Krasniuk, A. A.  | Bisarev, V. E.        |                |
|                  | Rusakov, L.           |                |

Technique for the Investigation of the Coronary Circulation in Dogs Under Chronic Experiment Conditions, by M. E. Marshak and G. N. Aronova, 3 pp.

RUSSIAN, per Fiz Zhiv SSRR in I. M. Sechenova, Vol XLIV, No 8, 1958, pp 770-772.

Pergamon Inst

Sci - Med

80,303

Jan 59